Ron Bradshaw

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***Data Scientist /Analyst***

Summary

* 5+ years of experience in machine learning, statistical model building, data analysis, data cleaning, reporting, visualization and storytelling.
* Developed SAS, Pig, Hive code for data manipulation, data cleaning. Analyzed and confirmed the integrity of source data.
* Being part of analytics project team, contributed to clustering, feature engineering, information retrieval activities working directly with onshore management for wholesale and retail markets analysis of an energy client.
* Experienced in acquiring, merging, cleaning, analyzing and mining structured, semi-structured and unstructured data sets for analysis.
* Design and develop ETL processes to ingest and maintain data from various sources.
* Write scripts to pull/push data from/to other reporting engines.
* Re-engineered the existing process by introducing tool CCRP (Core & Center Resource Planner) for use by management to monitor actuals vs forecasts of various projects & resources.
* Knowledge of basic construct of HDFS (Hadoop File Distribution System), Map Reduce and use of tools like Hue for operations and monitoring on a Hadoop Cluster.
* Performed complex data analysis on company’s data using SQL and solved problems using well-defined algorithms
* Experience in complex BI Reports, Dashboards, Project Management
* Experience in Tableau and Qlikview Dashboards in latest Design and Presentation.
* Profound analytical and problem solving skills along with ability to understand current business processes and implement efficient solutions to problems.
* Ability to present complex data and analytics to non-analytical audience.
* Detailed oriented professional, ensuring highest level of quality in reports & data analysis.
* Expert in innovation and formulation of new ideas and predictive models.
* Proven ability of multi-tasking to engage with stake holders at various levels to process data at large scale (Big Data) with enterprise systems.
* Designed, programmed and monitored Learning Management System (LMS) for the company and used simple predictive analysis techniques to forecast agent’s success.
* Involved in evaluation, data cleaning, data enrichment and reprogramming process of the company’s Quality Assurance (QA) system
* Generate KPI for customer satisfaction survey results and disease management.
* Advanced written and verbal communication skills.

**Professional Experience**

**Data Analyst** **Jan 2017 to Present**

**BJs Wholesale**

* Creation of metrics, attributes, filters, reports, and dashboards created advanced chart types, visualizations and complex calculations to manipulate the data.
* Work directly with management, vendors, and third parties to ensure that Web-site’s financial transactions and database management applications operate at peak efficiency.
* Consolidate multiple data silos that exist on campus to one location.
* Scheduled data extracts on a daily basis
* Involved in creating Hive tables, and loading and analyzing data using Hive queries.
* Developed Pig Latin scripts to extract the data from the web server output files to load into HDFS.
* Developed the Pig UDF’S to pre-process the data for analysis
* Moved all RDBMS data into flat files generated from various channels to HDFS for further processing.
* Working on a POC for various products’ recommendations on websites based on user behavior patterns and products availability. Experimenting with collaborative filtering methods.
* Ingest data from SQL databases and other sources into Hadoop cluster using Sqoop.
* Conduct exploratory analysis and prepare dashboard &amp; visualizations using Tableau
* Being part of analytics project team, contributed to clustering, feature engineering, information retrieval activities working directly with upper management for wholesale and retail markets analysis.
* Involved in weblog analysis.

**Environment: Windows and Linux, HDFS, Tableau, MS-Excel, SQL Server, Microsoft office, Pig, Hive, Sqoop**

**Data Analyst** **Jan 2014 to Dec 2016**

**Texas Utilities** , Dallas, TX

* Extracted, compiled and tracked data and analyzed data to generate reports.
* Worked with other team members to complete special projects and achieve project

deadlines.

* Developed optimized data collection and qualifying procedures.
* Leveraged analytical tools to develop efficient system operations.
* Re engineered the existing process by introducing tool CCRP (Core & Center Resource Planner) for use by management to monitor actual vs. forecasts of various projects & resources.
* Data Quality checking, data validation, cleaning up data to make accurate reports and analysis to use in key decision making.
* Preparation of Operational Decks in every month to show the ticket counts raise and decrease for the status for each Business unit.
* Implemented the Support Vector Machine Learning algorithm to predict energy consumption for a household
* Performed Measurement and Verification analysis of energy savings across the customers of Central Maine
* Prototyped a Model Predictive Control system, using real-time smart meter data, to optimally schedule
* Maintained SQL scripts to create and populate tables in data warehouse for daily reporting across departments.

**Environment: Microsoft office, SQL, Toad**

**Certification**

ITIL V3 Foundation